# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Friday 25 Dec 2020 until 23:59 on Saturday 26 Dec 2020

Forecast Issued on Friday 25 Dec 2020 at 02:14

**Confidence:** High confidence for a bright start to Christmas Day but a deep low affecting the country on Boxing Day bringing strong winds and rain. Also high confidence for a change to very cold conditions and wintry showers. Lower confidence for location of wintry showers.

**Headline for Friday 25 Dec 2020:** A dry and bright start to Christmas but clouding over with light rain in the evening. Strengthening winds.

**Mountain weather hazards on Friday 25 Dec 2020**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy Snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>No Likelihood | **Poor visibility**<br>No Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Clear night | Sunny intervals | Sunny | Cloudy | Cloudy | Cloudy |
| Precipitation probability | | | | | |
| 00% | <05% | 00% | 10% | 20% | 30% |

**Forecast for Friday 25 Dec 2020**

**Weather:** A dry and bright day with plenty of sunshine in the morning but some patchy cloud developing later in the afternoon. Feeling cold. Becoming cloudy and breezy during the evening, with perhaps the odd spot of rain. Rain becoming more regular around midnight.

**Chance of cloud free mountain/hill tops above 600m:** 100% for much of the day but becoming 90% in the evening with lower cloud shrouding the tops at times, particularly in the west, at around 400-500m.

**Visibility:** Very good to excellent, with distant hills clearly visible throughout the day.

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# Mountain Weather Forecast

**Forecast for Friday 25 Dec 2020**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 8/13 W | 9/17 NW | 10/15 W | 13/19 SW | 17/24 SW | 22/31 SW | 20/29 SW |
| **300** | 4/5 E | 5/11 NW | 6/8 SW | 7/11 SW | 12/19 SW | 15/24 SW | 16/25 SW |
| **Valley** | 0/6 E | 4/11 N | 1/7 SW | 2/9 S | 6/18 SW | 8/23 SW | 8/21 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | -2/-6 | -1/-6 | -1/-6 | -0/-6 | 0/-6 | 1/-6 | 1/-5 |
| **300** | -2/-4 | -0/-3 | 0/-2 | 1/-2 | 2/-2 | 3/-2 | 3/-2 |
| **Valley** | -4/-6 | -1/-3 | 0/-1 | 1/-1 | 2/-1 | 3/-1 | 3/0 |
| **Freezing Level*** | 00m | 00m | 100m | 200m | 800m | 900m | 1200m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

North-westerly winds backing south-westerly and strengthening as milder air pushes in across the area.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Thu 24 Dec 2020 | 3.4mm | 7.8mm | 24.4mm |

**Forecast for Saturday 26 Dec 2020**

**Weather:** Cloudy with patchy light rain clearing south during the early hours. Then, becoming very windy with gales, perhaps severe developing across exposed peaks and ridges in the west. Rain becoming heavier and persistent later in the evening.

**Maximum wind:** South-westerly 30-40mph gusts 45-55mph, perhaps 60mph on higher tops.

**Chance of cloud free mountain/hill tops above 600m:** 30% chance, most of the tops will be shrouded by extensive low cloud with a base around 400m especially in the west, in the east cloud bases will be around 600m and there will be a few more gaps.

**Visibility:** Mainly poor during the early hours, with intermediate hills barely visible though improving during the morning.

**Temperature:** **Valleys:** Plus 6 Celsius.
**At 600m:** Plus 3 Celsius
**Freezing level:** Around 1000m

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